

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Patent of Invention for Switzerland and Liechtenstein  
Swiss-Liechtensteinian Agreement for Patent Protection of December 22, 1978

(12) PATENT SPECIFICATION A5

(21) Application Number: 3748/93

(73) Owner:  
Isopress AG; Birmensdorf ZH

(22) Filing Date: Dec. 15, 1993

(72) Inventor:  
Folini, Peter, Oberwil-Lieli

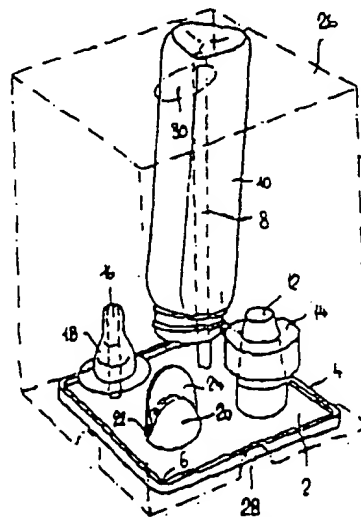
(24) Patent Issued: Nov. 15, 1995

(45) Patent Published: Nov. 15, 1995

(74) Legal Representative:  
Schmauder & Wann, Patent Attorney's Office, Zürich

(54) Device for Storing a Minimum of one Baby Bottle Set

(57) The device contains a base tray (2) fitted with a long slender rod (8) for receiving a baby bottle (10). It further comprises a rod in the shape of a cone-shaped rod stump (12) which serves to receive a locking ring (14), a short rod (16) for holding a nipple or mouthpiece, as well as a cam (20) with a slot (22), where a disk-shaped bottle lid (24) can be placed. The device allows a baby bottle set to be stored in an orderly and hygienic fashion.



## Description

The invention refers to a device for storing at least one baby bottle set.

In domestic situations, there often arises the problem of how to store the various parts of a baby bottle set after they have been washed, and doing so in such a way that the individual components are not lost, while at the same time storing them in hygienically proper fashion, regardless of whether they are wet or dry.

The object of this invention is to create a device which will avoid these problems.

According to the invention, this task is resolved by the characteristics of claim 1.

The fact that the device is suited only for storing the baby bottle set and provides a specific spot for each of the components ensures a safe storage medium where the various parts of the set will not get lost. On the other hand, the device allows the components to be stored in a hygienically irreproachable manner because it is independent of the other features of the household, thus keeping it apart and hygienically safe.

Embodiments of the object of the invention are described in claims 2 to 8.

Basically, three rods — one for the bottle, one for the mouthpiece and one for the locking ring — are sufficient to hold the baby bottle set safely, since the bottle lid can be slipped in-between the remaining components. However, according to claim 2 or 3, the device is advantageously designed such that even the bottle lid has a secure spot where it can be stored.

Of particular advantage is a further refinement of the invention according to claim 4 which permits water dripping from the rinsed but still wet components of the baby bottle set to be caught underneath.

In general, it may be sufficient for the device to be designed to receive only one baby bottle set. It is of greater advantage, however, if — in accordance with claim 5 — it is designed in such a way that it can hold several baby bottle sets.

The device can be set up as is or it can be covered with a cloth to make storage more hygienic. The embodiment suggested in claim 6 is especially useful; this is further refined in claim 7 which prevents the accumulation of condensation droplets on the cover and improves drying. The cover can be equipped with a handle. Claim 8 describes a very simple but highly effective way of using the device.

Using the illustrations, various embodiments of the object of the invention are described below in greater detail:

Fig. 1 shows a diagram of a device for storing one baby bottle set; and

Fig. 2 shows a diagram of a device for storing three baby bottle sets.

Fig. 1 shows a diagram of a device for storing one baby bottle set. It has a rectangular base tray 2 with a raised edge 4 around its entire periphery. In one corner of this raised edge, there is a drip or draining duct 6. Arranged in rectangular fashion on the base tray are a long, slender rod 8 on which the baby bottle 10 is supported, a cone-shaped rod stump 12 designed to hold a locking ring 14, a short rod 16 for the mouthpiece or nipple 18, as well as a cam 20 with a slot 22 into which a bottle lid 24 can be inserted.

The device may be used without a cover or it can be covered with a cloth, such as a diaper, for storing the baby bottle set in a more hygienic manner. A hooded lid 26, such as is shown by a broken line in Fig. 1, is particularly practical. For best results, the hooded lid has openings 28 at the bottom and at least one opening 30 at the top. These openings allow air to circulate which accelerates the drying process of the baby bottle set. The upper hole 30 also serves as a useful finger grip when positioning or removing the hooded lid.

Fig. 2 shows a device which is equipped like that in fig. 1, so that like components have the same reference symbols. The only difference consists in the fact that the device is large enough to house three sets of baby bottles and that the various rods are arranged in one row. Additionally, the device shown in Fig. 2 does not contain a slotted cam for the bottle lid; instead, the bottle lids can be accommodated in-between the other rods. Of course, the device at Fig. 2 can easily be equipped with a slotted cam. An especially simple and space-saving solution is when the cone-shaped rod 34 is provided with an axial slot 32, where the bottle lid 24 can be inserted.

There are numerous variations of the arrangement and design of the device. The base tray can for instance be round or triangular in shape. The device can also be designed to accommodate any number of baby bottle sets. Similarly, the device can be made from a great variety of materials, but preferably of plastic.

## REFERENCE SYMBOLS

- 2 Base Tray
- 4 Edge
- 6 Drain Duct
- 8 Long Rod
- 10 Baby Bottle
- 12 Cone-Shaped Rod Stump
- 14 Locking Ring
- 16 Short Rod
- 18 Mouthpiece (Nipple)
- 20 Cam
- 22 Slot
- 24 Bottle Lid
- 26 Hooded Lid
- 28 Bottom Opening
- 30 Top Opening
- 32 Slot
- 34 Rod

## Patent Claims

1. Device for storing a minimum of one baby bottle set, characterized by at least the following features:

a base tray (2) with at least one long rod (8) for holding a bottle (10), one short rod (16) for holding a mouthpiece (18), as well as a cone-shaped rod stump (12, 34) for placement of a locking ring (14).

2. Device according to claim 1, characterized in that the device also has a slotted cam (20) for holding a bottle lid (24).

3. Device according to claim 1 or 2, characterized in that the cone-shaped rod (34) has a slot (32) for holding a bottle lid (24).

4. Device according to one of claims 1 to 3, characterized in that the base tray (2) has a raised peripheral edge (4) which can also have a drain duct (6).

5. Device according to one of claims 1 to 4, characterized in that in each case the base tray (2) has at least two bottle rods (8), at least one additional rod (16) for the mouthpiece and a rod (12, 34) for the locking ring, as well as sometimes a slotted cam (20).

6. Device according to one of claims 1 to 5, characterized in that it has a hooded lid (26).

7. Device according to claim 6, characterized in that the hooded lid (26) has at least one bottom opening (28) and at least one top opening (30) to promote air circulation.

8. Device according to claim 7, characterized in that the upper opening (30) is designed as a grip hole.

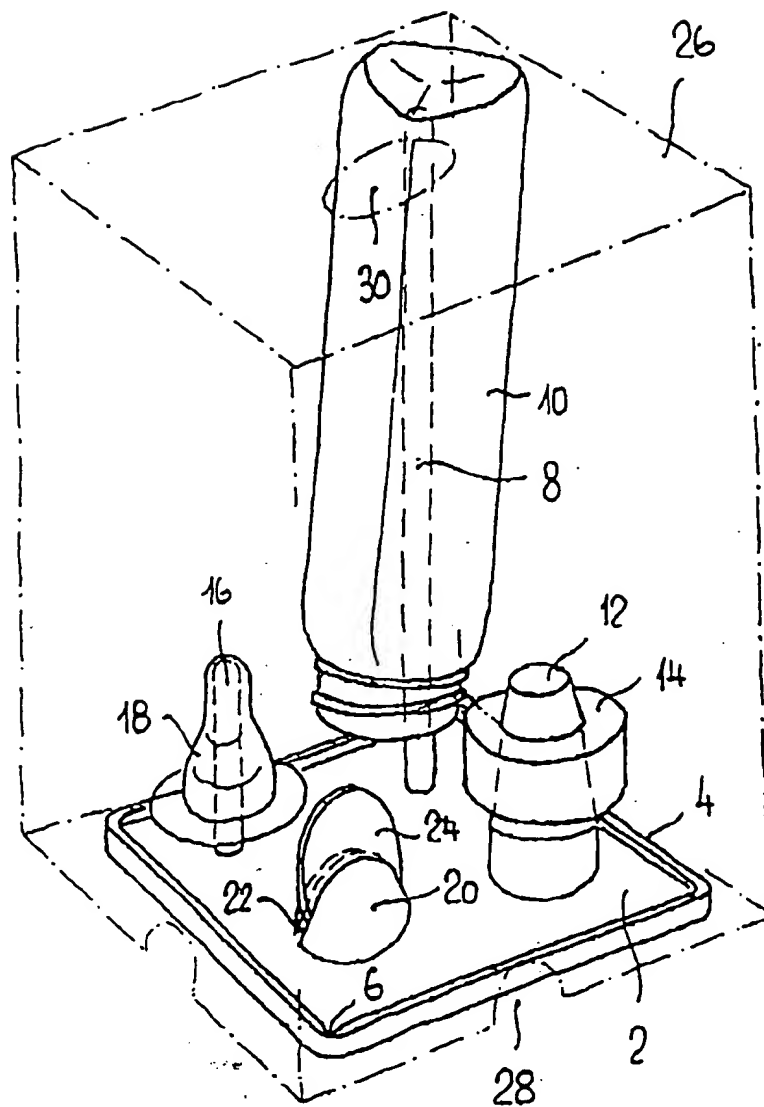


Fig.1

CH 685919 A5



SCHWEIZERISCHE EIDGENOSSENSCHAFT  
BUNDESAMT FÜR GEISTIGES EIGENTUM

⑪ CH 685919 A5

⑤① Int. Cl.<sup>6</sup>: A 61 J 9/06  
B 65 D 85/00

Erfindungspatent für die Schweiz und Liechtenstein

Schweizerisch-liechtensteinischer Patentschutzvertrag vom 22. Dezember 1978

⑫ PATENTSCHRIFT A5

⑳① Gesuchsnummer: 3748/93

⑳② Anmeldungsdatum: 15.12.1993

⑳④ Patent erteilt: 15.11.1995

④⑤ Patentschrift  
veröffentlicht: 15.11.1995

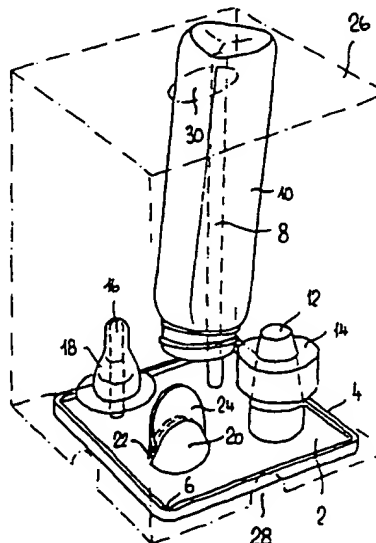
⑦③ Inhaber:  
Isopress AG, Birmensdorf ZH

⑦② Erfinder:  
Folini, Peter, Oberwil-Lieli

⑦④ Vertreter:  
Schmauder & Wann, Patentanwaltsbüro, Zürich

⑤④ Vorrichtung zum Abstellen mindestens eines Babyflaschensets.

⑤⑦ Die Vorrichtung enthält eine Grundplatte (2), auf der ein langer Dorn (8) zur Aufnahme einer Babyflasche (10) angeordnet ist. Weiter dient ein kegelstumpffartiger Dorn (12) zur Aufnahme eines Verschlussringes (14), ein kurzer Dorn (16) zum Aufstecken eines Mundstückes (18) und ein Nocken (20) mit einem Schlitz (22) zum Einstechen einer Verschlussplatte (24). Damit lassen sich die einzelnen Bestandteile eines Babyflaschensets geordnet und hygienisch einwandfrei abstellen und aufbewahren.



CH 685919 A5



28 untere Öffnung  
 30 obere Öffnung  
 32 Schlitz  
 34 Dorn

5

### Patentansprüche

1. Vorrichtung zum Abstellen mindestens eines Babyflaschensets, gekennzeichnet durch mindestens folgende Merkmale:  
 eine Grundplatte (2) mit mindestens einem langen Dorn (8) zum Aufstecken einer Flasche (10), einen kurzen Dorn (16) zum Aufstecken eines Mundstückes (18) sowie einen kegelstumpffartigen Dorn (12, 34) zum Aufstecken eines Verschlussringes (14). 10 15
2. Vorrichtung nach Anspruch 1, dadurch gekennzeichnet, dass sie weiter einen geschlitzten Nocken (20) zur Aufnahme einer Verschlussplatte (24) aufweist. 20
3. Vorrichtung nach Anspruch 1 oder 2, dadurch gekennzeichnet, dass der kegelstumpffartige Dorn (34) einen Schlitz (32) zur Aufnahme einer Verschlussplatte (24) aufweist. 25
4. Vorrichtung nach einem der Ansprüche 1 bis 3, dadurch gekennzeichnet, dass die Grundplatte (2) einen umlaufenden erhöhten Rand (4) aufweist, der gegebenenfalls mit einer Ablaufrinne (6) versehen ist. 30
5. Vorrichtung nach einem der Ansprüche 1 bis 4, dadurch gekennzeichnet, dass sie auf der Grundplatte (2) jeweils mindestens zwei Flaschendome (8), mindestens einen weiteren Mundstückdorn (16) und Verschlussringdorn (12, 34) sowie gegebenenfalls Schlitznocken (20) aufweist. 35
6. Vorrichtung nach einem der Ansprüche 1 bis 5, dadurch gekennzeichnet, dass sie einen Stülpedeckel (26) aufweist. 40
7. Vorrichtung nach Anspruch 6, dadurch gekennzeichnet, dass der Stülpedeckel (26) mindestens eine untere Öffnung (28) und mindestens eine obere Öffnung (30) zur Belüftung aufweist. 45
8. Vorrichtung nach Anspruch 7, dadurch gekennzeichnet, dass die obere Öffnung (30) gleichzeitig als Griffloch ausgebildet ist. 50

50

55

60

65

3

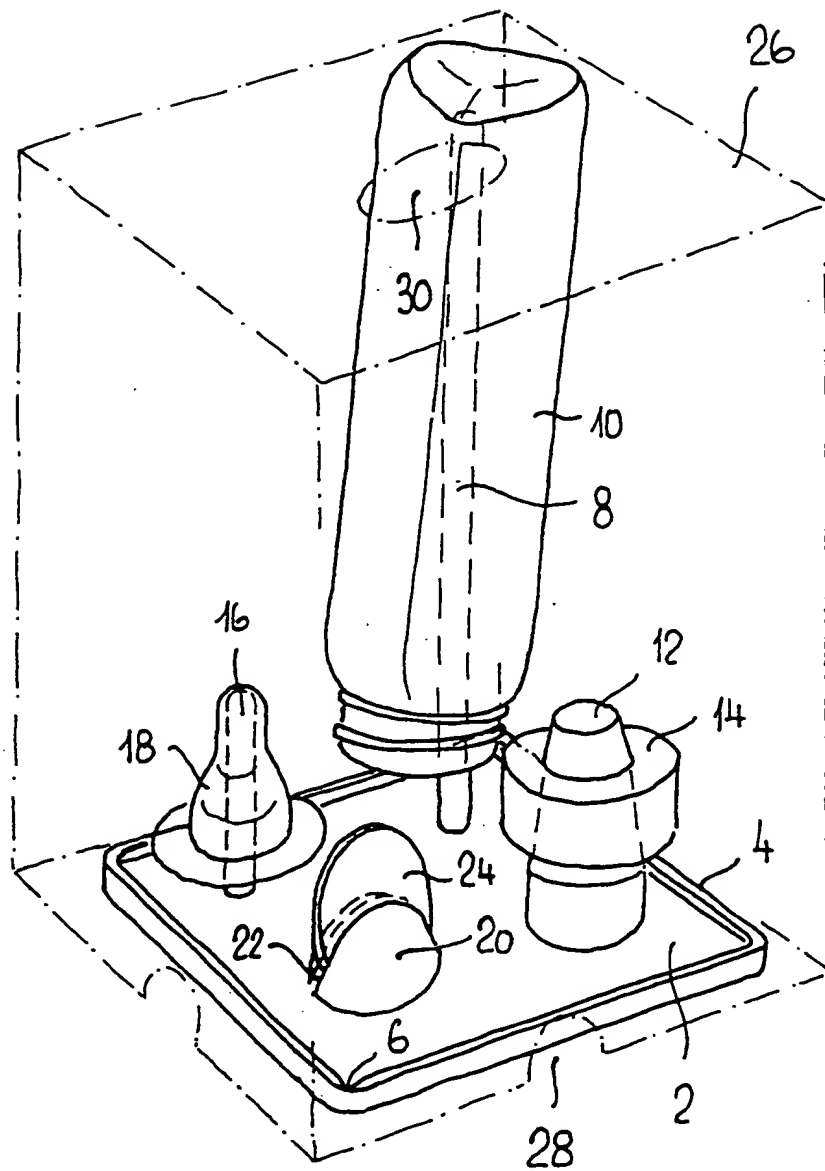


Fig.1

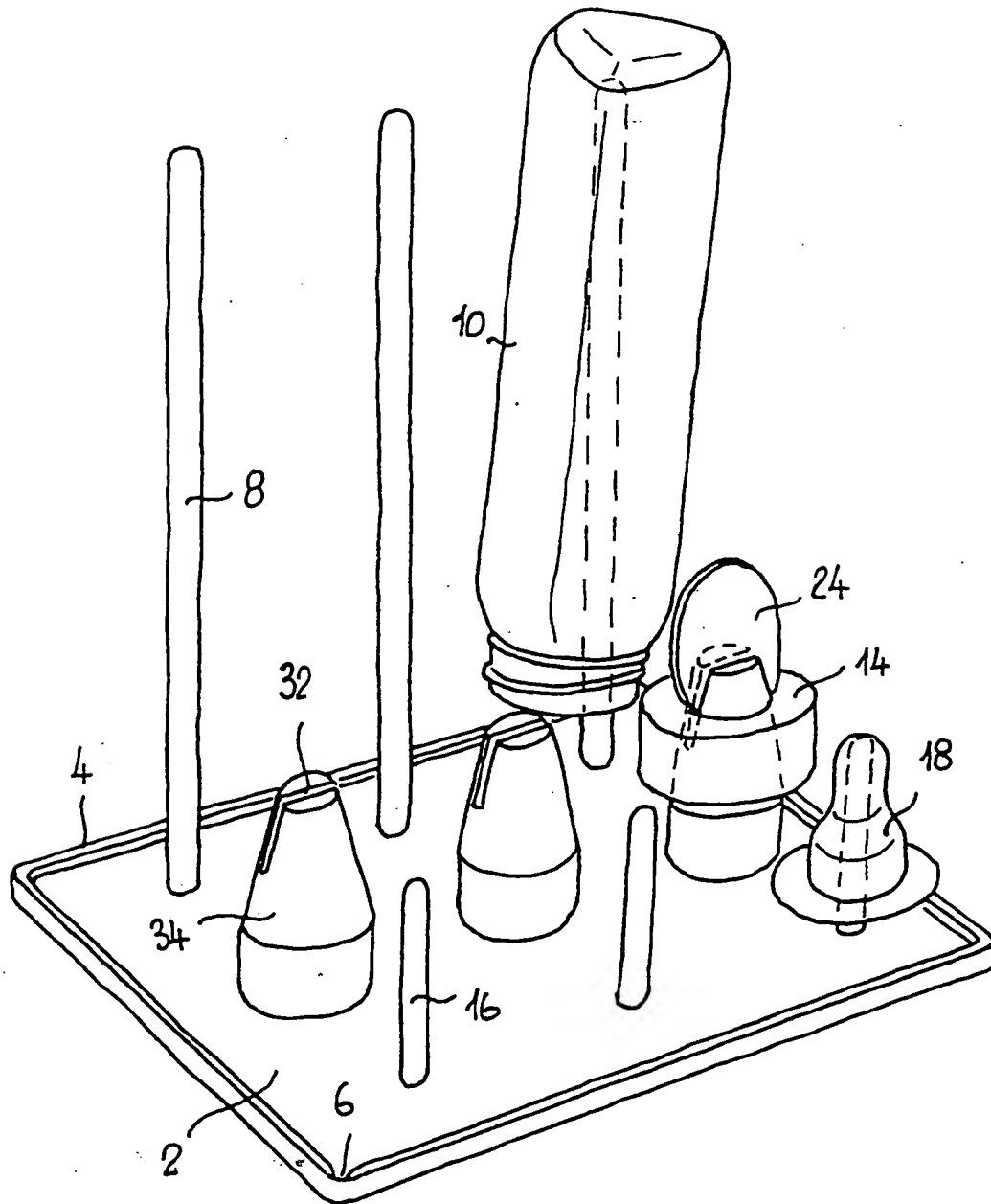


Fig. 2